

# STIC Search Report Biotech-Chem Library

# STIC Database Tracking Number:107138

TO: Karen A Lacourciere

Location: CM1/110D9/11E12

Art Unit: 1635

Tuesday, November 18, 2003

Case Serial Number: 09/366081

From: Toby Port

**Location: Biotech-Chem Library** 

CM1-6A04

Phone: 308-3534

toby.port@uspto.gov

# Search Notes

Dear Examiner Lacourciere,

Here are the results of your search.

Please feel free to contact me if you have any questions.

**Toby Port** 





# STIC SEARCH RESULTS FEEDBACK FORM

| 1 | 74 | Librar |
|---|----|--------|
|   | TH | Librar |

Questions about the scope or the results of the search? Contact the searcher or contact:

Mary Hale, Information Branch Supervisor 308-4258, CM1-1E01

| Voluntary Results Feedback Form   |
|---|
| > I am an examiner in Workgroup: Example: 1610  |
| > Relevant prior art found, search results used as follows:   |
| ☐ 102 rejection   |
| ☐ 103 rejection   |
| ☐ Cited as being of interest.   |
| Helped examiner better understand the invention.  |
| Helped examiner better understand the state of the art in their technology.   |
| Types of relevant prior art found:  |
| ☐ Foreign Patent(s)   |
| <ul> <li>Non-Patent Literature         <ul> <li>(journal articles, conference proceedings, new product announcements etc.)</li> </ul> </li> </ul> |
| > Relevant prior art not found:   |
| Results verified the lack of relevant prior art (helped determine patentability).   |
| Results were not useful in determining patentability or understanding the invention.  |
| Comments:   |

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### STIC-Biotech/ChemLib

From: Sent:

Lacourciere, Karen

Thursday, October 30, 2003 12:49 PM

To: Subject: STIC-Biotech/ChemLib RE: Litigation search request

Well, this is for a Reissue Application. The original patent was Application serial Number 08/484,712, the Reissue Application is Serial number 09/366,081. Please let me know if there is any other information needed 3/10) Thanks! Karen

----Original Message----

From:

STIC-Biotech/ChemLib

Sent:

Thursday, October 30, 2003 12:41 PM

To:

Lacourciere, Karen

Subject:

RE: Litigation search request

Should there be a Serial Number? Linda

----Original Message----

From: Lacourciere, Karen

Sent:

Thursday, October 30, 2003 12:32 PM

To:

STIC-Biotech/ChemLib **Subject:** Litigation search request

Please perform a litigation search on US 5,654,413.

Thank-you!

Karen A. Lacourciere Ph.D.

CM1 11D09 GAU 1635

(703) 308-7523 mailbox 11E12

Searcher: Phone:\_ Location:

Date Completed: Searcher Prep/Review:\_ Clerical: Online time:

Date Picked Up:

TYPE OF SEARCH:

NA Sequences:\_ AA Sequences: Structures: Bibliographic:\_ Litigation:\_ Full text:

Patent Family:\_\_\_ Other:\_

VENDOR/COST (where applic.)

STN: DIALOG: Questel/Orbit:

DRLink: Lexis/Nexis:\_ Sequence Sys.:\_

WWW/Internet:\_ Other (specify):\_

#### Lacourciere 08/484,712 Current session 18/11/2003

Query/Command : ..ba pluspat; (us6262019)/PN /XPN

QUESTEL - Time in minutes : 1,67

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database

New Patent Citation Commands & FAM Citation Report - see INFO PATCITE Last update of file: 2003/11/14 (YYYY/MM/DD) 2003-45/UP (basic update)

\*\* SS 1: Results 1

Search statement 2

(C) QUESTEL 1994 QUESTEL.ORBIT (TM) 1998

18/11/03 20\*27\*55

Last connection: 18/11/03 20\*22\*00

\*\* SS 1: Results 1

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT

Patent Number :

US6262019 B1 20010717 [US6262019]

Title :

(B1) Method of treatment of glutathione deficient mammals

Patent Assignee :

(B1) VIT IMMUNE L C (US)

Patent Assignee :

Vit-Immune, L. C., Hollywood FL [US]

Inventor(s) :

(B1) KIRCHENBAUM DAVID W (US); KELLER ROBERT H (US)

Application Nbr :

US30221799 19990429 [1999US-0302217]

Filing Details :

Rel. Prov. 60/083,661 19980430 [1998US-P083661]

Priority Details : '

US30221799 19990429 [1999US-0302217]

US8366198P 19980430 [1998US-P083661]

#### Intl Patent Class :

(B1) A01N-037/18 A61K-038/02

#### EPO ECLA Class :

A23L-001/30C2

A23L-001/302

A23L-001/305A

#### US Patent Class :

ORIGINAL (O): 514002000; CROSS-REFERENCE (X): 424049000 424054000 424535000 424655000 514007000 514012000 514021000 514023000 514251000 514276000 530365000 530833000

#### Document Type :

Basic

#### Citations :

US4256760; US4277496; US4292403; US5290571; US5456924; US5696109 PROMT on STN, Information Access Company, 1998: 1310, BioDynamax Supplement--Ultra Antioxidants Tablets, Product Alert (Dec. 22, 1997) ISSN: 0740-3801.\*

"Screening of Potential Chemopreventive Agents Using Biochemical Markets of Carcinogenesis" by Sheela Sharma, Jill D. Stutzman, Gary J. Kelloff and Vernon E. Steele, Cancer Resreach 54, 5848-5855, Nov. 15, 1994.

Low Blood Glutathione Levels in Healthy Aging Adults, pp 720-725, Calvin A. Long, et al.

a-Lipoic Acid: Biological Effects and Clinical Implications, pp 177-183, Trent W. Nichols, Jr. M.D.

Glutathione: Systemic Protectant Against Oxidative and Free Radical Damage, pp 155-171, 173-176, Parris M. Kidd, Ph.D.

Importance And Regulation of Hepatic Glutathione, pp 251-266, Laurie D. Deleve, M.D., Ph.D. et al.

Probiotics in Human Medicine, pp 439-442, R. Fuller.

Aids Wasting Syndrome as an Entero--Metabolic Disorder: The Gut Hypothesis, pp 40-45, 47-43, Mitchell Kaminski, Jr., M.D., et al.

The Effects of L-Glutamine, N-Acetyl-D-Glucosamine, Gamma-Linolenic Acid and Gamma-Oryzanol on Intestinal Permeability.

#### Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

#### Abstract :

Glutathione (GSH) is a tripeptide of extreme importance as a catalyst, reductan, and reactant. It can be depleted intracellulary either by forming a direct complex with an electrophilic agent (accomplished investigationally by agents such as bromobenzene or diethyl maleate), by way of inhibition of synthesis, or by subjecting cells to oxidant stress. Most cells, except for epithelia cells, do not have a direct transport capacity for intact GSH. Non-epithelial cells must either transport precursor substrates for GSH synthesis or salvage amino acids from circulating GSH for reuse in intracellular resynthesis. Dietary cysteine is a rate limiting substrate for the synthesis of glutathione and also inhibits GSH efflux. Although GSH is synthesized from precursors in virtually all cells, the liver is the main source of plasma GSH. Protection and support of liver function is paramount to elevating GSH levels. The disclosure is also of a unique combination of nutritional supplements including n-acetyl cysteine, vitamin C, 1-glucosamine, n-acetyl d-glucosamine, quercitin, sylimarin, Alpha lipoic acid and high protein, low fat whey that are combined to support various bodily systems involved in glutathione synthesis, reutilization

and storage; all intended to elevate glutathione concentration in the mammalian cell.

Update Code: 2001-29

Patent Number :

US6262019 B1 20010717 [US6262019]

Application Number :

US30221799 19990429 [1999US-0302217]

Action Taken :

20020101 US/CC-A

CERTIFICATE OF CORRECTION

20020226 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20011126

Update Code :

2003-22

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

6,262,019 A 20010717 [US6262019]

Patent Assignee :

Vit-Immune L C

Actions :

20011126 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020226

REISSUE REQUEST NUMBER: 09/994164

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1653

Reissue Patent Number:

20020101 CERTIFICATE OF CORRECTION

Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents | | Terms: patno is 5654413 (Edit Search)

484712 (08) 5654413 August 5, 1997

#### UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

#### 5654413

 GET 1st DRAWING SHEET OF 6 Access PDF of Official Patent. (Note: Cost incurred in a later step)

The Adobe Acrobat Reader must be installed on your computer to access Official Patent text. If you do not have this FREE reader, you can download it now from www.adobe.com

#### Link to Claims Section

August 5, 1997

Compositions for sorting polynucleotides

REISSUE: Reissue Application filed Aug. 2, 1999 (O.G. Sep. 21, 1999) Ex. Gp.: 1646; Re. S.N. 09/366,081, (O.G.

September 21, 1999)

**APPL-NO:** 484712 (08)

FILED-DATE: June 7, 1995

**GRANTED-DATE:** August 5, 1997

**ENGLISH-ABST:** 

The invention provides a method of tracking, identifying, and/or sorting classes or subpopulations of molecules by the use of oligonucleotide tags. Oligonucleotide tags of the invention each consist of a plurality of subunits 3 to 6 nucleotides in length selected from a minimally cross-hybridizing set. A subunit of a minimally cross- hybridizing set forms a duplex or triplex having two or more mismatches with the complement of any other subunit of the same set. The number of oligonucleotide tags available in a particular embodiment depends on the number of subunits per tag and on the length of the subunit. An important aspect of the invention is the use of the oligonucleotide tags for sorting polynucleotides by specifically hybridizing tags attached to the polynucleotides to their complements on solid phase supports. This embodiment provides a readily automated system for manipulating and sorting polynucleotides, particularly useful in large-scale parallel operations, such as large-scale DNA sequencing, mRNA fingerprinting, and the like, wherein many target polynucleotides or many segments of a single target polynucleotide are sequenced simultaneously.

Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents

Terms: patno is 5654413 (Edit Search)

View: Custom

Segments: Disclaimer-date, English-abst, Lit-reex, Reexam-cert, Reissue, Title

Date/Time: Tuesday, November 18, 2003 - 3:31 PM EST

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# Litigation involving patent 5,654,413

Click on the docket number to view the docket. Click on the above patent number to view the patent.



There are no cases involving this patent number.

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e pn=us 5654413
      Items Index-term
Ref
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E1
         1 PE=57 LEADING UK BUSINESS PUBLICATIONS PUBLISHED
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     $0.46 Estimated total session cost
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File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200345
       (c) 2003 EPO
*File 345: October 12, 2003 - changes to legal status now online.
See HELP NEWS 345 for details.
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DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
(c) 2003 EPO. All rts. reserv.
17782694
Basic Patent (No, Kind, Date): CA 2202167 AA 19960425 <No. of Patents: 078>
Patent Family:
    Patent No
                Kind Date Applic No Kind Date
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A1 19980105 AU 9733740 A 19970602
A1 19981211 AU 9877155 A 19980522
A1 19991209 AU 9952663 A 19991004
B2 19991118 AU 9642778 A 19951012
B2 20000413 AU 9661020 A 19960606
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AA 19960425 CA 2202167 A 19951012
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                                    CZ 983979
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Priority Data (No, Kind, Date):
   US 322348 A 19941013
   US 359295 A 19941219
   WO 95US12678 W 19951012
   US 358810 A 19941219
   WO 95US12791 W 19951012
   US 478238 A 19950607
   WO 96US9513 W 19960606
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   US 659453 A 19960606
   US 689587 A 19960812
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   WO 98US11224 W 19980522
   AU 9642778 A3 19951012
   CA 2222581 A3 19960606
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   EP 95937322 A3 19951012
   US 322348 B2 19941013
   US 358810 A1 19941219
   US 484712 A 19950607
   US 358810 A2 19941219
   US 485105 A 19950607
   US 359295 A1 19941219
   US 946138 A 19971007
   US 862610 B2 19970523
   US 689587 B2 19960812
   US 659453 B2 19960606
   US 89853 A 19980603
   US 659453 A3 19960606
   US 183650 A 19981030
   US 485105 A1 19950607
   US 196543 A 19981120
   US 659453 A1 19960606
   US 908130 A 20010717
   US 424028 A3 19991116
   US 908131 A 20010717
   US 907795 A 2001071-7
   US 124884 A 20020418
   US 424028 A1 19991116
   US 131009 A 19980807
   US 92226 A 19980605
   US 269911 A 20000228
   US 130862 A 19980807
   US 90809 A 19980604
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US 53116 A 19980401

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US 424028 A 19991116
   WO 96US9513 A 19960606
PATENT FAMILY:
AUSTRALIA (AU)
 Patent (No, Kind, Date): AU 9539461 Al 19960506
   MASSIVELY PARALLEL SEQUENCING OF SORTED POLYNUCLEOTIDES (English)
   Patent Assignee: LYNX THERAPEUTICS INC
   Author (Inventor): BRENNER SYDNEY
                                                19941013; US 359295 A
   Priority (No, Kind, Date): US 322348
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     19941219; WO 95US12678 W 19951012
   Applic (No, Kind, Date): AU 9539461 A
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   IPC: * C12Q-001/68; C07H-021/00
   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
 Patent (No, Kind, Date): AU 9642778 A1 19960506
   MOLECULAR TAGGING SYSTEM (English)
   Patent Assignee: LYNX THERAPEUTICS INC
   Author (Inventor): BRENNER SYDNEY
   Priority (No, Kind, Date): US 322348
                                                19941013; US 358810 A
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   Applic (No, Kind, Date): AU 9642778 A
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   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
 Patent (No, Kind, Date): AU 9661020 A1 19961230
   OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
   Patent Assignee: SPECTRAGEN INC
   Author (Inventor): BRENNER SYDNEY; ALBRECHT GLENN
   Priority (No, Kind, Date): US 478238 A 19950607; WO 95US12791 W
     19951012; WO 96US9513 W
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   IPC: * C12Q-001/68; C12N-015/10; C12N-015/63; C07H-021/00
   CA Abstract No: * 125(03)027673H; 126(10)127866N
   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
   Language of Document: English
 Patent (No, Kind, Date): AU 9677175 A1 19970430
   MEASUREMENT OF GENE EXPRESSION PROFILES IN TOXICITY DETERMINATION
      (English)
   Patent Assignee: LYNX THERAPEUTICS INC
   Author (Inventor): MARTIN DAVID W
   Priority (No, Kind, Date): WO 95US12791 A 19951012; WO 96US9513 W
     19960606; WO'96US16342 W
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   Applic (No, Kind, Date): AU 9677175 A
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   IPC: * C12Q-001/68; C07H-021/04
   CA Abstract No: * 125(03)027673H; 126(10)127866N
   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
   Language of Document: English
  Patent (No, Kind, Date): AU 9733740 A1 19980105
   SEQUENCING BY LIGATION OF ENCODED ADAPTORS (English)
   Patent Assignee: LYNX THERAPEUTICS INC
   Author (Inventor): ALBRECHT GLENN; BRENNER SYDNEY; LLOYD DAVID H;
     DUBRIDGE ROBERT B; PALLAS MICHAEL C
   Priority (No, Kind, Date): US 659453
                                                19960606; US 689587 A
     19960812; WO 97US9472 W 19970602
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   CA Abstract No: * 128(07)071623C
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   Language of Document: English
  Patent (No, Kind, Date): AU 9877155 A1 19981211
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SYSTEM AND APPARAUS FOR SEQUENTIAL PROCESSING OF ANALYTES (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor):
                       PALLAS MICHAEL C; BRENNER SYDNEY; BRIDGHAM JOHN;
    CORCORAN KEVIN; GOLDA GEORGE
 Priority (No, Kind, Date):
                            US 862610 A
                                            19970523; WO 98US11224 W
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 Applic (No, Kind, Date): AU 9877155 A
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 IPC: * G01N-021/00; G01N-021/29; G01N-021/64; B01J-010/00; C07H-019/00
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 Language of Document: English
Patent (No, Kind, Date): AU 9952663 A1 19991209
 MOLECULAR TAGGING SYSTEM (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): BRENNER SYDNEY
 Priority (No, Kind, Date): AU 9642778
                                               19951012; US 322348 A
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    19941013; US 358810 A 19941219
 Applic (No, Kind, Date): AU 9952663 A
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 IPC: * C12N-015/10; C12Q-001/68
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
   128(06)058277Y; 130(05)048286C
 Derwent WPI Acc No: * C 96-222001; C 96-222023
 Language of Document: English
Patent (No, Kind, Date): AU 712929 B2 19991118
 MOLECULAR TAGGING SYSTEM (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): BRENNER SYDNEY
 Priority (No, Kind, Date): US 322348
                                              19941013; US 358810 A
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    19941219; WO 95US12791 W 19951012
 Applic (No, Kind, Date): AU 9642778 A 19951012
 IPC: * C12N-015/10; C12Q-001/68
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
   126(15)196092U; 128(06).058277Y; 130(05)048286C
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
    97-235911
 Language of Document: English
Patent (No, Kind, Date): AU 718357 B2 20000413
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): BRENNER SYDNEY; ALBRECHT GLENN
                                             19950607; WO 96US9513 W
 Priority (No, Kind, Date): US 478238 A
   19960606
 Applic (No, Kind, Date): AU 9661020 A
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 CA Abstract No: * 126(10)127866N
 Derwent WPI Acc No: * C 97-099943; C 97-235911
 Language of Document: English
Patent (No, Kind, Date): AU 733782 B2 20010524
 SEQUENCING BY LIGATION OF ENCODED ADAPTORS (English)
 Patent Assignee: LYNX THERAPEUTICS INC
                      ALBRECHT GLENN; BRENNER SYDNEY; LLOYD DAVID H;
 Author (Inventor):
    DUBRIDGE ROBERT B; PALLAS MICHAEL C
 Priority (No, Kind, Date): US 659453
                                              19960606; US 689587 A
                                        Α
    19960812; WO 97US9472 W 19970602
 Applic (No, Kind, Date): AU 9733740 A
                                        19970602
 IPC: * C12Q-001/68
 CA Abstract No: * 128(07)071623C; 130(05)048286C; 132(07)074511H
 Derwent WPI Acc No: * C 98-042210; C 00-170257
 Language of Document: English
Patent (No, Kind, Date): AU 736321 B2 20010726
 SYSTEM AND APPARAUS FOR SEQUENTIAL PROCESSING OF ANALYTES (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): PALLAS MICHAEL C; BRENNER SYDNEY; BRIDGHAM JOHN;
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CORCORAN KEVIN; GOLDA GEORGE
                              US 862610 A
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    Priority (No, Kind, Date):
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    Applic (No, Kind, Date): AU 9877155 A
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    IPC: * G01N-021/00; G01N-021/29; G01N-021/64; B01J-010/00; C07H-019/00
    CA Abstract No: * 130(03)021343G; 132(07)074511H
   Derwent WPI Acc No: * C 99-024716; C 00-170257
Language of Document: English
CANADA (CA)
  Patent (No, Kind, Date): CA 2202167 AA 19960425
    MOLECULAR TAGGING SYSTEM SYSTEME DE MARQUAGE MOLECULAIRE (English;
      French)
    Patent Assignee: LYNX THERAPEUTICS INC
                                             (US)
    Author (Inventor): BRENNER SYDNEY (GB)
                                                  19941013; US 358810 A
    Priority (No, Kind, Date):
                              US 322348
      19941219
    Applic (No, Kind, Date): CA 2202167 A 19951012
    IPC: * C12Q-001/68; C07H-021/04; C12N-015/10; C12N-015/66
    Language of Document: English
  Patent (No, Kind, Date): CA 2222581 AA 19961219
    OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English; French)
    Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): ALBRECHT GLENN (US); BRENNER SYDNEY (GB) Priority (No, Kind, Date): US 478238 A 19950607
   Applic (No, Kind, Date): CA 2222581 A
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    IPC: * C12Q-001/68
    CA Abstract No: * 126(10)127866N
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    Language of Document: English
  Patent (No, Kind, Date): CA 2332731 AA 19961219
   OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English; French)
    Patent Assignee: LYNX THERAPEUTICS INC (US)
    Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
    Priority (No, Kind, Date): CA 2222581 A3
                                                 19960606; US 478238 A
      19950607
                                          19960606
    Applic (No, Kind, Date): CA 2332731 A
    IPC: * C12N-015/10; C12Q-001/68
    CA Abstract No: * 126(10)127866N
    Derwent WPI Acc No: * C 97-099943
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CANADA (CA)
  Legal Status (No, Type, Date, Code, Text):
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CHINA (CN)
  Patent (No, Kind, Date): CN 1193357 A 19980916
    OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
    Patent Assignee: LINCS THERPAY CO (US)
    Author (Inventor): BRENNER S (US); ALBRECHT G (US)
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US 478238 A 19950607; WO 95US12791 A
    Priority (No, Kind, Date):
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   IPC: * C12Q-001/68; C12N-015/10; C12N-015/63; C07H-021/00
   CA Abstract No: * 125(03)027673H; 126(10)127866N
   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
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  Patent (No, Kind, Date): CN 1230226 A
                                        19990929
   SEQUENCING BY LIGATION OF ENCODED ADAPTORS (English)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): ALBRECHT G (US); BRENNNER S (US); LLOYD D H (US)
                                                19960606; US 689587 A
   Priority (No, Kind, Date):
                                  659453 A
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                                            19970602
   IPC: * C12Q-001/68
   CA Abstract No: * 128(07)071623C; 130(05)048286C
   Derwent WPI Acc No: * C 98-042210
   Language of Document: Chinese
CZECH REPUBLIC (CZ)
 Patent (No, Kind, Date): CZ 9700866 A3 19970917
   MOLECULAR SYSTEM FOR MAKING LOOPS (Czech; English)
   Patent Assignee: LYNX THERAPEUTICS (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 322348 A
                                           19941013; US 358810 A
      19941219; WO 95US12791 W
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   Applic (No, Kind, Date): CZ 97866 A 19951012
   IPC: * C12N-015/10; C12Q-001/68
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
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   Language of Document: Czech; Slovak
  Patent (No, Kind, Date): CZ 9703926 A3 19980617
   OLIGONUCLEOTIDE MARKS FOR DETERMINING KIND AND IDENTIFICATION (Czech;
      English)
   Patent Assignee: LYNX THERAPEUTICS (US)
   Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
   Priority (No, Kind, Date): US 478238 A 19950607; WO 95US12791 W
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   Applic (No, Kind, Date): CZ 973926 A
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   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
   Language of Document: Czech; Slovak
 Patent (No, Kind, Date): CZ 9803979 A3 19990714
   METHOD OF SEQUENTIAL ANALYSIS BY LIGATION OF ENCODED ADAPTER (Czech;
      English)
   Patent Assignee: LYNX THERAPEUTICS (US)
   Author (Inventor): ALBRECHT GLENN (US); BRENNER SYDNEY (GB); LLOYD
     DAVID H (US); DUBRIDGE ROBERT B (US); PALLAS MICHAEL C (US)
   Priority (No, Kind, Date): US 659453 A 19960606; US 689587 A
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   Applic (No, Kind, Date): CZ 983979 A 19970602
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   Derwent WPI Acc No: * C 98-042210; C 00-170257
   Language of Document: Czech; Slovak
GERMANY (DE)
  Patent (No, Kind, Date): DE 69513997 CO 20000120
   MASSIVE PARALLELSEQUENZIERUNG AN SORTIERTEN POLYNUCLEOTIDEN (German)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
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Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 322348 A
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   MASSIVE PARALLELSEQUENZIERUNG AN SORTIERTEN POLYNUCLEOTIDEN (German)
   Patent Assignee: LYNX THERAPEUTICS INC
                                            (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 322348 A
                                            19941013; US 359295 A
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   Language of Document: German
GERMANY (DE)
 Legal Status (No, Type, Date, Code, Text):
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   DE 69513997
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                       20000727 DE 8373
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EUROPEAN PATENT OFFICE (EP)
 Patent (No, Kind, Date): EP 786014 Al 19970730
   MASSIVELY PARALLEL SEQUENCING OF SORTED POLYNUCLEOTIDES (English;
      French; German)
   Patent Assignee: LYNX THERAPEUTICS INC
   Author (Inventor): BRENNER SYDNEY
                                       (GB)
   Priority (No, Kind, Date): US 322348
                                           Α
                                                 19941013; US 359295 A
      19941219; WO 95US12678 W 19951012
   Applic (No, Kind, Date): EP 95937322 A
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   Designated States: (National) BE; CH; DE; DK; FR; GB; GR; IT; NL; SE
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   CA Abstract No: *
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     128(06)058277Y; 130(05)048286C
   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
  Patent (No, Kind, Date): EP 793718 A1 19970910
   MOLECULAR TAGGING SYSTEM (English; French; German)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): BRENNER 5 (GB)
   Priority (No, Kind, Date): US 322348
                                                 19941013; US 358810 A
      19941219; WO 95US12791 W 19951012
   Applic (No, Kind, Date): EP 95941325 A
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   IPC: * C12N-015/10; C12Q-001/68
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
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126(15)196092U
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
   97-235911
 Language of Document: English
Patent (No, Kind, Date): EP 832287 A1 19980401
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English; French;
   German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
 Priority (No, Kind, Date): WO 96US9513 W
                                               19960606; US 478238 A
   19950607; WO 95US12791 A 19951012
 Applic (No, Kind, Date): EP 96918333 A
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 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
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 IPC: * C12Q-001/68; C12N-015/10; C12N-015/63; C07H-021/00
 CA Abstract No: * 125(03)027673H; 126(10)127866N
 Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
 Language of Document: English
Patent (No, Kind, Date): EP 923650 Al 19990623
 SEQUENCING BY LIGATION OF ENCODED ADAPTORS (English; French; German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor):
                      ALBRECHT GLENN (US); BRENNER SYDNEY
                                                            (GB); LLOYD
   DAVID H (US); DUBRIDGE ROBERT B (US); PALLAS MICHAEL C (US)
                           WO 97US9472
                                               19970602; US 659453 A
 Priority (No, Kind, Date):
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 Applic (No, Kind, Date): EP 97929757 A
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 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
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 IPC: * C12Q-001/68
CA Abstract No: * 128(07)071623C; 130(05)048286C
 Derwent WPI Acc No: * C 98-042210
 Language of Document: English
Patent (No, Kind, Date): EP 931165 A1 19990728
 MEASUREMENT OF GENE EXPRESSION PROFILES IN TOXICITY DETERMINATION
    (English; French; German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): WO 96US9513 W
                                            19960606; WO 95US12791 W
   19951012; WO 96US16342 A 19961011
 Applic (No, Kind, Date): EP 96940238 A 19961011
 Designated States: (National) CH; DE; FR; GB; LI
 IPC: * C12Q-001/68; C07H-021/04
 CA Abstract No: * 125(03)027673H; 126(10)127866N
 Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
 Language of Document: English
Patent (No, Kind, Date): EP 952216 A2 19991027
 SOLID PHASE SUPPORTS WITH PNA AND AMIDATE TAG COMPLIMENTS (English;
   French; German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Priority (No, Kind, Date):
                           EP 95937322
                                          A3 19951012; US 322348 A
   19941013; US 359295 A
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 Applic (No, Kind, Date): EP 99105019 A 19951012
 Designated States: (National) BE; CH; DE; DK; FR; GB; IT; LI; NL; SE
 IPC: * C12N-015/10; C12Q-001/68
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
   128(06)058277Y; 130(05)048286C
 Derwent WPI Acc No: * C 96-222001; C 96-222023
 Language of Document: English
Patent (No, Kind, Date): EP 985142 A2 20000315
 SYSTEM AND APPARAUS FOR SEQUENTIAL PROCESSING OF ANALYTES (English;
   French; German)
  Patent Assignee: LYNX THERAPEUTICS INC (US)
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Author (Inventor): PALLAS MICHAEL C (US); BRENNER SYDNEY (GB);
   BRIDGHAM JOHN (US); CORCORAN KEVIN (US); GOLDA GEORGE (US)
 Priority (No, Kind, Date):
                            WO 98US11224 W 19980522; US 862610 A
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 CA Abstract No: * 130(03)021343G
 Derwent WPI Acc No: * C 99-024716
 Language of Document: English
Patent (No, Kind, Date): EP 952216 A3 20000119
 SOLID PHASE SUPPORTS WITH PNA AND AMIDATE TAG COMPLIMENTS (English;
   French; German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): EP 95937322
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 Language of Document: English
Patent (No, Kind, Date): EP 832287 A4 20020515
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English; French;
   German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
 Priority (No, Kind, Date): WO 96US9513 W 19960606; US 478238 A
   19950607; WO 95US12791 A 19951012
 Applic (No, Kind, Date): EP 96918333 A 19960606
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 CA Abstract No: * 125(03)027673H; 126(10)127866N
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 Language of Document: English
Patent (No, Kind, Date): EP 931165 A4 20010822
 MEASUREMENT OF GENE EXPRESSION PROFILES IN TOXICITY DETERMINATION
    (English; French; German)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): WO 96US9513 W 19960606; WO 95US12791 W
   19951012; WO 96US16342 A 19961011
 Applic (No, Kind, Date): EP 96940238 A 19961011
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 CA Abstract No: * 125(03)027673H; 126(10)127866N
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 Language of Document: English
Patent (No, Kind, Date): EP 786014 B1 19991215
 MASSIVELY PARALLEL SEQUENCING OF SORTED POLYNUCLEOTIDES (English;
   French; German)
 Patent Assignee: LYNX THERAPEUTICS INC
                                         (US)
 Author (Inventor): BRENNER SYDNEY (GB)
                                              19941013; US 359295 A
 Priority (No, Kind, Date): US 322348
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   19941219; WO 95US12678 W 19951012
 Applic (No, Kind, Date): EP 95937322 A
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 Designated States: (National) BE; CH; DE; DK; FR; GB; GR; IT; LI; NL;
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IPC: \* C12Q-001/68; C07H-021/00

CA Abstract No: \* 125(03)027673H; 125(05)050733M; 126(15)196092U;

128(06)058277Y; 130(05)048286C

Derwent WPI Acc No: \* C 96-222001; C 96-222023

Language of Document: English

EP 786014

EP 786014

EP 786014

EP 786014

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#### EUROPEAN PATENT OFFICE (EP) Legal Status (No, Type, Date, Code, Text): PRIORITY (PATENT EP 786014 Р 19941013 EP AA (PRIORITAET (PATENTANMELDUNG)) APPLICATION) US 322348 A 19941013 EP 786014 Ρ 19941219 EP AA PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG)) APPLICATION) 19941219 US 359295 A EP 786014 19951012 EP AA PCT-APPLICATION (PCT-ANMELDUNG) WO 95US12678 W 19951012 EP 786014 Ρ 19951012 EP AE **EP-APPLICATION** (EUROPAEISCHE ANMELDUNG) EP 95937322 A 19951012 EP 786014 19970730 EP AK Ρ DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) BE CH DE DK FR GB GR IT NL SE 19970730 EP A1 PUBLICATION OF APPLICATION EP 786014 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT) REQUEST FOR EXAMINATION EP 786014 Ρ 19970730 EP 17P (PRUEFUNGSANTRAG GESTELLT) FILED 970513 EP 786014 19980204 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 971219 1 APPLICANT (CORRECTION) EP 786014 19990317 EP RAP1 (ANMELDER (KORR.)) LYNX THERAPEUTICS, INC. EP 786014 19991027 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 952216 P 19991215 EP AHF EP 786014 Ρ DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 952216

EP 786014 P 20000211 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

EP 99105019 A

VERTRAGSSTAATEN)

(PATENTSCHRIFT)

(ENTSPRICHT)

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19991215 EP AK

19991215 EP B1

20000120 EP REF

19991215 CH EP/REG

19990319

STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE

BE CH DE DK FR GB GR IT LI NL SE

(EINTRITT IN DIE NATIONALE PHASE)

DESIGNATED CONTRACTING

PATENT SPECIFICATION

CORRESPONDS TO:

20000120

ENTRY IN THE NATIONAL PHASE

EP 786014 P 20000315 EP RBV DESIGNATED CONTRACTING STATES (CORRECTION): (BENANNTE

| EP 786014 | P | FAILURE TO FULFILL THE REQUIREMENTS OF ART.<br>29P AND 29M OF THE PATENTS ACT; NO LEGAL<br>EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL<br>NICHT EINGETRETEN (ART. 29P UND 29M NL |
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| EP 786014 | Р | 20001129 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)  |
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| EP 786014 | P | 20001227 EP R25 LAPSED AS TO RULE 92 1 P (CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P (KORR.))   |
| EP 786014 | Р | (CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P (KORR.))  |
| EP 786014 | P | (CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P (KORR.))  |
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| EP 786014 | P | 20020605 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) BE 19991215   |
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| EP 786014 | P | BE 19991215 20020605 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)   |
| EP 786014 | P | STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)  |
| EP 786014 | P | BE 19991215 20030226 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)   |
| EP 786014 | P | BE 19991215 20030226 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)   |
| EP 786014 | P | STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)  |
| EP 786014 | P | BE 19991215 20030226 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) BE 19991215   |

|    |                  |   | 20030226 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) BE 19991215 20031105 EP 25 LAPSED IN A CONTRACTING |
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|    | 786014<br>786014 |   | CONDE LEDI COCUENT IN EINEM TERMENCOCODANOL  |
|    |                  |   | STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)   |
|    | 786014           |   | STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)<br>DK   |
|    | 786014           |   | 20031105 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) LI 20031105 EP 25 LAPSED IN A CONTRACTING          |
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|    |                  |   | 20031105 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) SE 19941013 EP AA PRIORITY (PATENT                 |
|    |                  |   | APPLICATION) (PRIORITAET (PATENTANMELDUNG))  |
| EP | 793718           | P | US 322348 A 19941013 19941219 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))                                   |
|    |                  |   | US 358810 A 19941219 19951012 EP AA PCT-APPLICATION (PCT-ANMELDUNG) WO 95US12791 W 19951012 19951012 EP AE EP-APPLICATION (        |
|    |                  |   | EUROPAEISCHE ANMELDUNG)<br>EP 95941325 A 19951012  |
| EP | 793718           | P | 19970910 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)   |
|    |                  |   | AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL<br>PT SE  |
| EP | 793718           | P | 19970910 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)               |
| EP | 793718           | P | 19970910 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 970513  |
| EP | 793718           | P | 20031029 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) DATE: 20030912   |
| EP | 832287           | P | 19950607 EP AA PRIORITY (PATENT 'APPLICATION) (PRIORITAET (PATENTANMELDUNG))   |
| EP | 832287           | P | APPLICATION) (PRIORITAET (PATENTANMELDUNG))  |
| EP | 832287           | Р | WO 95US12791 A 19951012<br>19960606 EP AA PCT-APPLICATION<br>(PCT-ANMELDUNG)   |
| EP | 832287           | P | WO 96US9513 W 19960606<br>19960606 EP AE EP-APPLICATION  |

| EP 832287   | Р  | (EUROPAEISCHE ANMELDUNG) EP 96918333 A 19960606 19980401 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN) |
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| EP 832287   | P  | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  19980401 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)      |
| EP 832287   | P. | 19980401 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980107  |
| EP 832287   | P  | 19980408 EP RPR1 PRIORITY (CORRECTION) ( PRIORITAET (KORR.)) US 950607 478238; WO 951012 US95/12791  |
| EP 832287   | P  | 19980513 EP RPR1 PRIORITY (CORRECTION) (PRIORITAET (KORR.)) US 950607 478238   |
| EP 832287   | P  |  |
|             |    | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC   |
| EP 832287   | Р  |  |
| EP 923650   | Р  |  |
| EP 923650   | P  | US 659453 A 19960606<br>19960812 EP AA PRIORITY (PATENT<br>APPLICATION) (PRIORITAET (PATENTANMELDUNG))   |
| EP 923650   | P  | US 689587 A 19960812<br>19970602 EP AA PCT-APPLICATION (PCT-ANMELDUNG)   |
| EP 923650   | Р  | . WO 97US9472 W 19970602<br>19970602 EP AE EP-APPLICATION<br>(EUROPAEISCHE ANMELDUNG)  |
| EP 923650   | P  | EP 97929757 A 19970602 19990623 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)                          |
|             |    | AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC<br>NL PT SE   |
| EP 923650   | P  | 19990623 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)   |
| EP 923650   | Р  | 19990623 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)   |
| EP 931165   | P  | 19990105<br>19951012 EP AA PCT-APPLICATION<br>(PCT-ANMELDUNG)  |
| EP 931165 . | Р  | WO 95US12791 W 19951012<br>19960606 EP AA PCT-APPLICATION<br>(PCT-ANMELDUNG)<br>WO 96US9513 W 19960606   |

| EP 931165 | <b>.</b> | 19961011 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))   |
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| EP 931165 | P        | WO 96US16342 A 19961011<br>19961011 EP AE EP-APPLICATION<br>(EUROPAEISCHE ANMELDUNG)  |
| EP 931165 | Р        | EP 96940238 A 19961011 19990728 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)     |
| EP 931165 | P        | CH DE FR GB LI 19990728 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)                         |
| EP 931165 | P        |   |
| EP 931165 | P        | 20010822 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) |
|           |          | CH DE FR GB LI 20010822 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 20010709 20020502 EP 17Q FIRST EXAMINATION REPORT (              |
|           |          | FRATER DRIFFINGAREACHEIN  |
| EP 952216 | P        | 20020315 19941013 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  |
| EP 952216 | Р        | US 322348 A 19941013<br>19941219 EP AA PRIORITY (PATENT<br>APPLICATION) (PRIORITAET (PATENTANMELDUNG))  |
| EP 952216 | Р        | (AUSSCHEIDUNG AUS)  |
| EP 952216 | Р        | EP 95937322 A3 19951012<br>19951012 EP AE EP-APPLICATION<br>(EUROPAEISCHE ANMELDUNG)  |
| EP 952216 | Р        | EP 99105019 A 19951012<br>19991027 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)<br>EP 786014 P                                 |
| EP 952216 | Р        |   |
| EP 952216 | Р        | BE CH DE DK FR GB IT LI NL SE  19991027 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)     |
| EP 952216 | P        | 19991229 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) BRENNER, SYDNEY   |
| EP 952216 | P        | 20000119 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)                                      |

| EP 952216  | P  | SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS   |
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| EP 952216  | P  | FILED (PRUEFUNGSANTRAG GESTELLT)   |
| EP 985142  | P  | 20000324<br>19970523 EP AA PRIORITY (PATENT<br>APPLICATION) (PRIORITAET (PATENTANMELDUNG))   |
| EP 985142  | Р  | US 862610 A 19970523<br>19980522 EP AA PCT-APPLICATION<br>(PCT-ANMELDUNG)  |
| EP 985142  | P  | WO 98US11224 W 19980522<br>19980522 EP AE EP-APPLICATION<br>(EUROPAEISCHE ANMELDUNG)<br>EP 98925137 A 19980522   |
| EP 985142  | P  | 20000315 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)   |
| EP 985142  | P  | AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  20000315 EP AX ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) AL PAYMENT 19991125;LT PAYMENT 19991125;LV PAYMENT 19991125;MK PAYMENT 19991125;RO  |
| EP 985142  | P  | PAYMENT 19991125;SI PAYMENT 19991125 20000315 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)  |
| EP 985142  | Р  |  |
| MARKERINGSSYSTE Patent Assigned Author (Invento Priority (No, Ki 19941219; WO Applic (No, Kino IPC: * C12N CA Abstract No: 126(15)196092 Derwent WPI Acc 97-235911 Language of Doc Patent (No, Kind, I MARKERINGSSYSTE Patent Assigned Author (Invento Priority (No, Ki 19941219; WO Applic (No, Kind, I IPC: * C12N | EM FC  E: I  Dr):  ind,D  95US  d,Dat  : *  EU; 1  C No:  cumen  Date)  EM FC  e: I  or):  95US  d,Dat | e): FI 971473 A 19970409  125(03)027673H; 125(05)050733M; 126(10)127866N; 28(06)058277Y  * C 96-222001; C 96-222023; C 97-099943; C  t: Finnish; Swedish : FI 9701473 A0 19970409 ER MOLEKYLER (Swedish) :YNX THERAPEUTICS INC (US) BRENNER SYDNEY (GB) Date): US 322348 A 19941013; US 358810 A 12791 W 19951012 e): FI 971473 A 19970409 |
| CA Abstract No   | *  | 125(03)027673H; 125(05)050733M; 126(10)127866N;  |

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126(15)196092U; 128(06)058277Y
    Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
      97-235911
    Language of Document: Finnish; Swedish
FINLAND (FI)
  Legal Status (No, Type, Date, Code, Text):
              A 19951012 FI AE
    FI 971473
                                              New application filed (Uusi
                              hakemus)
                              FI 971473 A
                                             19951012
HUNGARY (HU)
  Patent (No, Kind, Date): HU 9900910 AB 19990728
    OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
    Patent Assignee: LYNX THERAPEUTICS (US)
    Author (Inventor): ALBRECHT GLENN (US); BRENNER SYDNEY (GB)
                              US 478238 A 19950607; WO 95US12791 A
    Priority (No, Kind, Date):
      19951012
    Applic (No, Kind, Date): HU 999900910 A 19960606
    IPC: * C12Q-001/68; C12N-015/10; C12N-015/63; C07H-021/00
    CA Abstract No: * 125(03)027673H; 126(10)127866N
    Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911 Language of Document: Hungarian
  Patent (No, Kind, Date): HU 200003944 AB 20010328
    SEQUENCING BY LIGATION OF ENCODED ADAPTORS (English)
    Patent Assignee: LYNX THERAPEUTICS INC
                                            (US)
    Author
            (Inventor): ALBRECHT GLENN
                                             (US); BRENNER SYDNEY
      DUBRIDGE ROBERT B (US); LLOYD DAVID H (US); PALLAS MICHAEL C (US)
                                                  19960606; US 689587 A
    Priority (No, Kind, Date):
                              US 659453
                                           Α
      19960812; WO 97US9472 W 19970602
    Applic (No, Kind, Date): HU 20003944 A 19970602
    IPC: * C12Q-001/68
    CA Abstract No: * 128(07)071623C; 130(05)048286C; 132(07)074511H
    Derwent WPI Acc No: * C 98-042210; C 00-170257 Language of Document: Hungarian
  Patent (No, Kind, Date): HU T77916 A2 19981028
    MOLECULAR TAGGING SYSTEM (English)
    Patent Assignee: LYNX THERAPEUTICS
    Author (Inventor): BRENNER SYDNEY (GB)
                                                  19941013; US 358810 A
    Priority (No, Kind, Date):
                              US 322348
      19941219
    Applic (No, Kind, Date): HU 989801187 A
                                              19951012
    IPC: * C12N-015/10; C12Q-001/68
    CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
      128(06)058277Y; 130(05)048286C
   Derwent WPI Acc No: * C 96-222001; C 96-222023
Language of Document: Hungarian
JAPAN (JP)
  Patent (No, Kind, Date): JP 10507357 T2 19980721
    Priority (No, Kind, Date): WO 95US12791 W 19951012; US 322348 A
                             19941219
      19941013; US 358810 A
    Applic (No, Kind, Date): JP 95513298 A
                                             19951012
    IPC: * C12N-015/09; C12Q-001/68
    CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
      126(15)196092U; 128(06)058277Y
    Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
      97-235911
    Language of Document: Japanese
  Patent (No, Kind, Date): JP 11507528 T2 19990706
    Priority (No, Kind, Date): WO 96US9513 W 19960606; US 478238 A
      19950607; WO 95US12791 A 19951012
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Applic (No, Kind, Date): JP 96501818 A
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    IPC: * C12Q-001/68; C12N-015/09
    CA Abstract No: * 125(03)027673H; 126(10)127866N
 Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
Language of Document: Japanese
Patent (No, Kind, Date): JP 2000511045 T2 20000829
    Priority (No, Kind, Date): WO 96US16342 A 19961011
    Applic (No, Kind, Date): JP 97515240 A
                                              19961011
    IPC: * C12Q-001/68; C12N-015/09
    Derwent WPI Acc No: * C 97-235911
Language of Document: Japanese
  Patent (No, Kind, Date): JP 2000515006 T2 20001114
    Priority (No, Kind, Date): WO 97US9472
                                               W 19970602; US 659453 A
      19960606; US 689587 A 19960812
    Applic (No, Kind, Date): JP 98500755 A
                                               19970602
    IPC: * C12N-015/09; C12Q-001/68; G06F-017/30
    CA Abstract No: * 128(07)071623C; 130(05)048286C; 132(07)074511H
 Derwent WPI Acc No: * C 98-042210; C 00-170257
Language of Document: Japanese
Patent (No, Kind, Date): JP 2002507280 T2 20020305
                                 US 862610 A 19970523; WO 98US11224 W
    Priority (No, Kind, Date):
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    Applic (No, Kind, Date): JP 98550757 A
                                               19980522
    IPC:
                 G01N-033/53;
                                 G01N-021/05;
                                                G01N-021/64;
                                                                 G01N-033/566;
      G01N-037/00
    CA Abstract No: * 130(03)021343G; 132(07)074511H
   Derwent WPI Acc No: * C 99-024716; C 00-170257
Language of Document: Japanese
NORWAY (NO)
 Patent (No, Kind, Date): NO 9701644 A
                                            19970602
    MOLEKYLAERT MERKESYSTEM (Norwegian)
    Patent Assignee: LYNX THERAPEUTICS INC
    Author (Inventor): BRENNER SYDNEY (GB)
    Priority (No, Kind, Date): US 322348
                                               Α
                                                    19941013; US 358810 A
      19941219; WO 95US12791 W 19951012
    Applic (No, Kind, Date): NO 971644 A
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    IPC: * C12Q-001/68; C07H-021/04
                          125(03)027673H; 125(05)050733M; 126(10)127866N;
    CA Abstract No: *
      126(15)196092U
    Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
      97-235911
    Language of Document: Norwegian
  Patent (No, Kind, Date): NO 9705744 A
                                            19980205
    OLIGONUKLEOTIDVEDHENG FOR SORTERING OG IDENTIFIKASJON (Norwegian)
    Patent Assignee: LUNX THERAPEUTICS INC (US)
    Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
    Priority (No, Kind, Date): US 478238 A
                                                  19950607; WO 95US12791 A
                                 19960606
      19951012; WO 96US9513 W
    Applic (No, Kind, Date): NO 975744 A
                                             19971205
    IPC: * C12Q-001/68; C07H-021/02; C07H-021/04
    CA Abstract No: * 125(03)027673H; 126(10)127866N
    Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
    Language of Document: Norwegian
  Patent (No, Kind, Date): NO 9805698 A
                                            19990208
    SEKVENSERING VED LIGERING AV KODEDE ADAPTORER (Norwegian)
    Patent Assignee: LYNX THERAPEUTICS INC (US)
    Author (Inventor):
                          ALBRECHT GLENN (US); BRENNER SYDNEY
                                                                    (GB); LLOYD
      DAVID H (US); DUBRIDGE ROBERT B (US); PALLAS MICHAEL C
                                                                   (US)
                                 US 659453
                                                    19960606; US 689587 A
    Priority (No, Kind, Date):
                                             Α
      19960812; WO 97US9472 W
                                 19970602
    Applic (No, Kind, Date): NO 985698 A
                                             19981204
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IPC: * C120
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   Derwent WPI Acc No: * C 98-042210
   Language of Document: Norwegian
  Patent (No, Kind, Date): NO 9701644 AO 19970410
   MOLEKYLAERT MERKESYSTEM (Norwegian)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 322348
                                               19941013; US 358810 A
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     19941219; WO 95US12791 W 19951012
   Applic (No, Kind, Date): NO 971644 A 19970410
   IPC: * C120
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
     126(15)196092U
   Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
     97-235911
   Language of Document: Norwegian
  Patent (No, Kind, Date): NO 9705744 AO 19971205
   ILIGONUKLEOTID VEDHENG FOR SORTERING OG IDENTIFIKASJON (Norwegian)
   Patent Assignee: LUNX THERAPEUTICS INC
                                          (US)
   Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
   Priority (No, Kind, Date): US 478238 A 19950607; WO 95US12791 A
     19951012; WO 96US9513 W 19960606
   Applic (No, Kind, Date): NO 975744 A
                                         19971205
   IPC: * C120
   CA Abstract No: * 125(03)027673H; 126(10)127866N
   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
   Language of Document: Norwegian
 Patent (No, Kind, Date): NO 9805698 AO 19981204
   SEKVENSERING VED LIGERING AV KODEDE ADAPTERE (Norwegian)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): ALBRECHT GLENN (US); BRENNER SYNEY
                                                             (GB); LLOYD
     DAVID H (US); DUBRIDGE ROBERT B (US); PALLAS MICHAEL C (US)
                              US 659453
   Priority (No, Kind, Date):
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                                               19960606; US 689587 A
     19960812; WO 97US9472 W 19970602
   Applic (No, Kind, Date): NO 985698 A
                                         19981204
   IPC: * C120
   CA Abstract No: * 128(07)071623C; 130(05)048286C
   Derwent WPI Acc No: * C 98-042210
   Language of Document: Norwegian
POLAND (PL)
 Patent (No, Kind, Date): PL 324000 Al 19980427
   OLIGIONUCLEOTIDIC
                     LABELS
                               FOR SORTING AND IDENTOFICATION PURPOSE
      (English)
   Patent Assignee: LYNX THERAPEUTICS (US)
   Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US)
                                             19950607; WO 95US12791 W
   Priority (No, Kind, Date): US 478238 A
     19951012
   Applic (No, Kind, Date): PL 324000 A
                                        19960606
   IPC: * C12Q-001/00; C12P-019/34
   CA Abstract No: * 125(03)027673H; 126(10)127866N
   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911
   Language of Document: Polish
 Patent (No, Kind, Date): PL 331513 A1 19990719
   METHOD OF SEQUENCING, BY A LIGAND EFFECT, SPECIFIC ENCODED ADAPTERS AND
     COMPOSITION
                 CONTAINING
                               DOUBLE-STRING OLIGONUCLEOTIDIC ADAPTERS
      (English)
   Patent Assignee: LYNX THERAPEUTICS (US)
   Author (Inventor):
                       ALBRECHT GLENN (US); BRENNER SYDNEY
                                                             (GB); LLOYD
     DAVID H (US); DUBRIDGE ROBERT B (US); PALLAS MICHAEL C
                                                             (US)
   Priority (No, Kind, Date): US 659453 A
                                              19960606; US 689587 A
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19960812

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Applic (No, Kind, Date): PL 331513 A
   IPC: * C12Q-001/68
   CA Abstract No: * 128(07)071623C; 130(05)048286C
   Derwent WPI Acc No: * C 98-042210
   Language of Document: Polish
UNITED STATES OF AMERICA (US)
 Patent (No, Kind, Date): US 5604097 A 19970218
   METHODS FOR SORTING POLYNUCLEOTIDES USING OLIGONUCLEOTIDE TAGS
      (English)
   Patent Assignee: SPECTRAGEN INC (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 358810 A 19941219; US 322348 B2
     19941013
   Applic (No, Kind, Date): US 358810 A 19941219
   National Class: * 435006000; 536025400; 435172300
   IPC: * C12Q-001/68; C12N-015/10; C07H-021/00
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
     128(06)058277Y; 130(05)048286C; 126(15)196092U
   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
  Patent (No, Kind, Date): US 5635400 A
                                         19970603
   MINIMALLY CROSS-HYBRIDIZING SETS OF OLIGONUCLEOTIDE TAGS (English)
   Patent Assignee: SPECTRAGEN INC (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 478238 A 19950607; US 358810 A1
     19941219; US 322348 B2 19941013
   Applic (No, Kind, Date): US 478238 A 19950607
   National Class: * 435320100; 435006000; 435172300; 536022100;
     536024200
   IPC: * C12N-015/09; C12Q-001/68; C07H-021/00
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
     126(15)196092U; 128(06)058277Y; 130(05)048286C
   Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943
   Language of Document: English
  Patent (No, Kind, Date): US 5654413 A 19970805
   COMPOSITIONS FOR SORTING POLYNUCLEOTIDES (English)
   Patent Assignee: SPECTRAGEN INC (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 484712 A 19950607; US 358810 A1
     19941219; US 322348 B2 19941013
   Applic (No, Kind, Date): US 484712 A 19950607
   National Class: * 536022100; 435006000; 435320100; 536024200
   IPC: * C12N-015/09; C12Q-001/68; C07H-021/00
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
     128(06)058277Y; 130(05)048286C
   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
 Patent (No, Kind, Date): US 5695934 A
                                       19971209
   MASSIVELY PARALLEL SEQUENCING OF SORTED POLYNUCLEOTIDES (English)
   Patent Assignee: LYNX THERAPEUTICS INC
                                            (US)
   Author (Inventor): BRENNER SYDNEY (GB)
   Priority (No, Kind, Date): US 359295 A 19941219; US 322348 B2
     19941013
   Applic (No, Kind, Date): US 359295 A 19941219
   National Class: * . 435006000; 536024300
   IPC: * C12Q-001/68; C07H-021/04
   CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
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   Derwent WPI Acc No: * C 96-222001; C 96-222023
   Language of Document: English
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Patent (No, Kind, Date): US 5846719 A
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 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
  Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US);
    MACEVICZ STEPHEN C (US)
 Priority (No, Kind, Date): US 659453 A
                                          19960606; US 358810 A2
    19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 659453 A
                                        19960606
 Addnl Info: 5604097 Patented
 National Class: * 435006000; 536025400; 536023100; 536024200;
    536024300
 IPC: * C12Q-001/68; C07H-021/00; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
    128(06)058277Y; 128(07)071623C; 130(05)048286C; 132(07)074511H;
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 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 98-042210; C
    00-170257
 Language of Document: English
Patent (No, Kind, Date): US 5863722 A
                                     19990126
 METHOD OF SORTING POLYNUCLEOTIDES (English)
 Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): US 485105 A 19950607; US 359295 A1
    19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 485105 A
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 National Class: * 435006000; 536024300
 IPC: * C12Q-001/68; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
    128 (06) 058277Y
 Derwent WPI Acc No: * C 96-222001; C 96-222023
 Language of Document: English
Patent (No, Kind, Date): US 6013445 A
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 MASSIVELY PARALLEL SIGNATURE SEQUENCING BY LIGATION OF ENCODED ADAPTORS
    (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): ALBRECHT GLENN (US); BRENNER SYDNEY
    DUBRIDGE ROBERT B (US); LLOYD DAVID H (US); PALLAS MICHAEL C
                                                                   (US)
 Priority (No, Kind, Date): US 946138 A 19971007; US 862610 B2
    19970523; US 689587 B2 19960812; US 659453 B2 19960606
 Applic (No, Kind, Date): US 946138 A 19971007
 National Class: * 435006000; 536024200
 IPC: * C12Q-001/68; C07H-021/02
 CA Abstract No: * 128(07)071623C; 130(03)021343G; 130(05)048286C;
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 Derwent WPI Acc No: * C 98-042210; C 99-024716; C 00-170257; C
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Patent (No, Kind, Date): US 6138077 A
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 METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR DETERMINING A SET OF
    NON-HYBRIDIZING OLIGONUCLEOTIDES (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): US 89853 A 19980603; US 659453 A3
    19960606; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 89853 A 19980603
 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 702019000; 702027000; 435006000; 536023100;
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 IPC: * G06N-003/12; C12Q-001/68; C12N-015/11; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
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Patent (No, Kind, Date): US 6140489 A
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 COMPOSITIONS FOR SORTING POLYNUCLEOTIDES (English)
  Patent Assignee: LYNX THERAPEUTICS INC
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): US 183650 A
                                          19981030; US 485105 A1
    19950607; US 359295 A1 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 183650 A 19981030
 Addnl Info: 5863722 Patented; 5695934 Patented
 National Class: * 536024300; 536023100; 536024300; 536025300;
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  IPC: * C07H-021/04; C07H-021/00; C12N-015/11; C12Q-001/68
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 Derwent WPI Acc No: * C 96-222001; C 96-222023
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 KITS FOR SORTING AND IDENTIFYING POLYNUCLEOTIDES (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US);
    MACEVICZ STEPHEN C (US)
 Priority (No, Kind, Date): US 196543 A 19981120; US 659453 A1
    19960606; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 196543 A 19981120
 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 536024300; 536023100; 536024200; 536025400;
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 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
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 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 98-042210; C
    00-170257
 Language of Document: English
Patent (No, Kind, Date): US 20020051992 AA 20020502
 System and apparatus for sequential processing of analytes (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRIDGHAM JOHN (US); CORCORAN KEVIN P (US); GOLDA GEORGE S (US); PALLAS MICHAEL C (US); BRENNER SYDNEY (US)
 Priority (No, Kind, Date): US 908130 A 20010717; US 424028 A3
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 Applic (No, Kind, Date): US 908130 A
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 National Class: * 435006000; 435287200; 382129000
 IPC: * C12Q-001/68; G06K-009/00; C12M-001/34
 Language of Document: English
Patent (No, Kind, Date): US 20020061529 AA 20020523
 System and apparatus for sequential processing of analytes (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRIDGHAM JOHN (US); CORCORAN KEVIN P (US); GOLDA
    GEORGE S (US); BRENNER SYDNEY (US); PALLAS MICHAEL C (US)
 Priority (No, Kind, Date): US 908131 A
                                         20010717; US 424028 A3
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 Applic (No, Kind, Date): US 908131 A
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 National Class: * 435006000; 435287200; 382129000
 IPC: * C12Q-001/68; G06K-009/00; C12M-001/34
 Language of Document: English
Patent (No, Kind, Date): US 20020137052 AA 20020926
 System and apparatus for sequential processing of analytes (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRIDGHAM JOHN (US); CORCORAN KEVIN P (US); GOLDA
    GEORGE S (US); BRENNER SYDNEY (US); PALLAS MICHAEL C (US)
  Priority (No, Kind, Date): US 907795 A 20010717; US 424028 A3
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19991116
 Applic (No, Kind, Date): US 907795 A
 National Class: * 435006000; 435287200; 356320000
 IPC: * C12Q-001/68; C12M-001/34; G01J-003/42
 Language of Document: English
Patent (No, Kind, Date): US 20030077615 AA 20030424
  Planar arrays of microparticle-bound polynucleotides (English)
  Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRIDGHAM JOHN (US); CORCORAN KEVIN P (US); GOLDA GEORGE S (US); PALLAS MICHAEL C (US); BRENNER SYDNEY (US)
 Priority (No, Kind, Date): US 124884 A 20020418; US 424028 A1
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 Applic (No, Kind, Date): US 124884 A
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 Addnl Info: 6406848 Patented
 National Class: * 435006000; 435287200; 382128000; 702020000
 IPC: * C12Q-001/68; G06F-019/00; G01N-033/48; G01N-033/50; G06K-009/00
    ; C12M-001/34
 Language of Document: English
Patent (No, Kind, Date): US 6172214 BA 20010109
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
 Patent Assignee: LYNX THERAPEUTICS INC
                                           (US)
 Author (Inventor): BRENNER SYDNEY (GB) Priority (No, Kind, Date): US 131009 A
                                           19980807; US 659453 A3
    19960606; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 131009 A 19980807
 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 536024300; 536023100; 536024200; 536025400;
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 IPC: * C07H-021/04; C12N-015/11; C12N-015/00; C12Q-001/68
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
    128(06)058277Y; 128(07)071623C; 130(05)048286C; 132(07)074511H
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 98-042210; C
    00-170257
 Language of Document: English
Patent (No, Kind, Date): US 6172218 BA 20010109
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BR UMLAUT OVER E NNER SYDNEY (GB)
 Priority (No, Kind, Date): US 92226 A 19980605; US 659453 A3
    19960606; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 92226 A 19980605
 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 536025400; 536023100; 536024200; 536024300;
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 IPC: * C07H-021/04; C12N-015/11; C12Q-001/68
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
    128(06)058277Y; 128(07)071623C; 130(05)048286C; 132(07)074511H
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 98-042210; C
    00-170257
 Language of Document: English
Patent (No, Kind, Date): US 6228589 BA 20010508
 MEASUREMENT OF GENE EXPRESSION PROFILES IN TOXICITY DETERMINATION
    (English)
 Patent Assignee: LYNX THERAPEUTICS INC
                                           (US)
 Author (Inventor): BRENNER SYDNEY (GB)
                                           20000228; WO 96US16342 W
 Priority (No, Kind, Date): US 269911 A
    19961011
 Applic (No, Kind, Date): US 269911 A
                                        20000228
 National Class: * 435006000; 536023100; 536025320; 536025400;
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 IPC: * C12Q-001/68; C07H-021/00
 Derwent WPI Acc No: * C 97-235911
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Language of Document: English
Patent (No, Kind, Date): US 6235475 BA 20010522
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): BRENNER SYDNEY (GB); ALBRECHT GLENN (US);
   MACEVICZ STEPHEN C (US)
 Priority (No, Kind, Date): US 130862 A 19980807; US 659453 A3
   19960606; US 358810 A2 19941219; US 322348 B2 19941013; WO
   95US12791 W
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 Applic (No, Kind, Date): US 130862 A
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 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 435006000; 435091100; 536023100; 536024300;
   536024330; 536025300; 536025320; 536025600
 IPC: * C120-001/68; C12P-019/34; C12N-015/11; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
   126(15)196092U; 128(06)058277Y; 128(07)071623C; 130(05)048286C;
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 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
   97-235911; C 98-042210; C 00-170257
 Language of Document: English
Patent (No, Kind, Date): US 6280935 BA 20010828
 METHOD OF DETECTING THE PRESENCE OR ABSENCE OF A PLURALITY OF TARGET
   SEQUENCES USING OLIGONUCLEOTIDE TAGS (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US)
 Author (Inventor): MACEVICZ STEPHEN C
                                        (US)
 Priority (No, Kind, Date): US 90809 A
                                         19980604; WO 95US12791 W
   19951012; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 90809 A
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 Addnl Info: 5604097 Patented
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 IPC: * C12Q-001/68; C12N-015/11; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(10)127866N;
   126(15)196092U; 128(06)058277Y; 130(05)048286C
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 97-099943; C
   97-235911
 Language of Document: English
Patent (No, Kind, Date): US 6352828 BA 20020305
 OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
 Patent Assignee: LYNX THERAPEUTICS INC
                                         (US)
 Author (Inventor): BRENNER SYDNEY (GB)
 Priority (No, Kind, Date): US 53116 A 19980401; US 659453 A3
   19960606; US 358810 A2 19941219; US 322348 B2 19941013
 Applic (No, Kind, Date): US 53116 A 19980401
 Addnl Info: 5846719 Patented; 5604097 Patented
 National Class: * 435006000; 435091100; 536023100; 536024300;
   536024330; 536025300; 536025320; 536025400
 IPC: * C12Q-001/68; C12P-019/34; C12N-015/11; C07H-021/04
 CA Abstract No: * 125(03)027673H; 125(05)050733M; 126(15)196092U;
   128(06)058277Y; 128(07)071623C; 130(05)048286C; 132(07)074511H
 Derwent WPI Acc No: * C 96-222001; C 96-222023; C 98-042210; C
   00-170257
 Language of Document: English
Patent (No, Kind, Date): US 6406848 BA 20020618
 Planar arrays of microparticle-bound polynucleotides (English)
 Patent Assignee: LYNX THERAPEUTICS INC
                                         (US)
 Author (Inventor): BRIDGHAM JOHN (US); CORCORAN KEVIN (US); GOLDA
           (US); PALLAS MICHAEL C (US); BRENNER SYDNEY (GB)
   GEORGE
 Priority (No, Kind, Date): US 424028 A
                                          19991116; US 862610 B2
   19970523; WO 98US11224 W
                              19980522
 Applic (No, Kind, Date): US 424028 A
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 National Class: * 435006000; 435288300; 435297500; 435299100;
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536022100

IPC: \* C12Q-001/68; C12M-003/00; C12M-001/12; C12M-001/14; C07H-019/00
Language of Document: English

|       | STATES OF AME |                |  |
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| Legal | Status (No, T | 'ype,          | Date, Code, Text):                               |
| US 9  | 890809        | Α              | 19980604 US REFW CORRESPONDS TO PCT              |
|       |               |                | APPLICATION (ENTSPRICHT PCT ANMELDUNG)           |
|       |               |                | WO 9612014 P                                     |
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| 115 9 | 9424028       | A              | 19991116 US REFW CORRESPONDS TO PCT              |
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| IIC E | 604097        | D              | 19941219 US AE APPLICATION DATA (PATENT)         |
| 05 5  | 1004037       | F              |  |
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|       | 604007        | -              | US 358810 A 19941219                             |
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|       |               |                | LYNX THERAPEUTICS, INC. 3832 BAY CENTER PLACE    |
|       |               |                | HAYWARD, CALIFORNIA 94545; BRENNER, SYDNEY:      |
|       |               |                | 19941219   |
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|       |               |                | THERAPEUTICS, INC.: 19960109                     |
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|       |               |                | US 322348 B2 19941013                            |
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|       | •             |                | US 478238 A 19950607                             |
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|       |               |                | 19970603 US A PATENT                             |
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| US 5  | 654413        | Р              | 19950607 US AE APPLICATION DATA (PATENT)         |
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|       |               |                | US 484712 A 19950607                             |
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|       |               |                | HAYWARD, CALIFORNIA 94545; LYNX                  |
|       |               |                | THERAPEUTICS, INC. : 19960109                    |
|       |               |                | 19970805 US A PATENT                             |
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|       |               |                | (REISSUE APPL. FILED)                            |
|       |               |                | 19990802   |
| US 5  | 695934        | P              | 19941013 US AA PRIORITY                          |
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APPLICATION DATA (PATENT)
US 5695934
                  19941219 US AE
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                        US 359295 A 19941219
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                        LYNX THERAPEUTICS, INC. 3832 BAY CENTER PLACE
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   MOLECULAR TAGGING SYSTEM SYSTEME DE MARQUAGE MOLECULAIRE (English)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): BRENNER SYDNEY
   Priority (No, Kind, Date):
                              US 322348
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                                                19941013; US 358810 A
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   Filing Details:
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   IPC: * C12N-015/10; C12Q-001/68
   Language of Document: English
  Patent (No, Kind, Date): WO 9612039 A1 19960425
   MASSIVELY PARALLEL SEQUENCING OF SORTED POLYNUCLEOTIDES SEQUEN AGE
     MASSIVEMENT PARALLELE DE POLYNUCLEOTIDES TRIES (English)
   Patent Assignee: LYNX THERAPEUTICS INC (US)
   Author (Inventor): BRENNER SYDNEY
                              US 322348
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   Priority (No, Kind, Date):
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   IPC: * C12Q-001/68; C07H-002/00
   Language of Document: English
  Patent (No, Kind, Date): WO 9641011 Al 19961219
   OLIGONUCLEOTIDE TAGS FOR SORTING AND IDENTIFICATION (English)
   Patent Assignee: SPECTRAGEN INC (US)
   Author (Inventor): BRENNER SYDNEY; ALBRECHT GLENN
                             US 478238 A
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   Priority (No, Kind, Date):
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   Derwent WPI Acc No: * C 96-222001; C 97-099943; C 97-235911; C
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   Language of Document: English
 Patent (No, Kind, Date): WO 9713877 A1 19970417
   MEASUREMENT OF GENE EXPRESSION PROFILES IN TOXICITY DETERMINATION
      (English)
   Patent Assignee: LYNX THERAPEUTICS INC (US); MARTIN DAVID W
                                                                (US)
   Author (Inventor): MARTIN DAVID W (US)
                                               19951012; WO 96US9513 A
   Priority (No, Kind, Date): WO 95US12791 A
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Patent (No, Kind, Date): WO 9746704 Al 19971211
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 Patent Assignee: LYNX THERAPEUTICS INC
                                         (US)
 Author (Inventor): ALBRECHT GLENN; BRENNER SYDNEY; LLOYD DAVID H;
   DUBRIDGE ROBERT B; PALLAS MICHAEL C
 Priority (No, Kind, Date):
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 IPC: * C12Q-001/68
 Language of Document: English
Patent (No, Kind, Date): WO 9853300 A2 19981126
 SYSTEM AND APPARAUS FOR SEQUENTIAL PROCESSING OF ANALYTES (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US); PALLAS MICHAEL C
    BRENNER SYDNEY
                      (GB); BRIDGHAM JOHN (US); CORCORAN KEVIN
                                                                  (US);
   GOLDA GEORGE (US)
         (Inventor):
                      PALLAS MICHAEL C
                                          (US); BRENNER SYDNEY (GB);
 Author
   BRIDGHAM JOHN (US); CORCORAN KEVIN (US); GOLDA GEORGE
                                                          (US)
 Priority (No, Kind, Date): US 862610 A 19970523
 Applic (No, Kind, Date): WO 98US11224 A
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 Filing Details: WO 300000 Without international search report and to
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 CA Abstract No: *
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 Language of Document: English
Patent (No, Kind, Date): WO 9853300 A3 19990225
 SYSTEM AND APPARAUS FOR SEQUENTIAL PROCESSING OF ANALYTES (English)
 Patent Assignee: LYNX THERAPEUTICS INC (US); PALLAS MICHAEL C
                                                                  (US):
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         (Inventor):
   BRIDGHAM JOHN (US); CORCORAN KEVIN (US); GOLDA GEORGE
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 Priority (No, Kind, Date): US 862610 A 19970523
 Applic (No, Kind, Date): WO 98US11224 A 19980522
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| WO   | 9612039 | P | 19960509 WO CFP CORRECTED VERSION OF A PAMPHLET FRONT PAGE  |
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| WO   | 9612039 | P | 19960530 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE   |
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|      | 9641011 |   | 19950607 WO AA PRIORITY (PATENT) US 478238 A 19950607   |
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| WO   | 9641011 | P | 19960606 WO AE APPLICATION DATA (APPL. DATA)  |
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| WO 9713877 | P 19970417 WO AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  |
| WO 9713877 | P 19970417 WO A1 PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)  |
| WO 9713877 | P 19970806 WO 121 EP: PCT APP. ART. 158 (1)<br>(EP: PCT ANM. ART. 158 (1))   |
| WO 9713877 | P 19970821 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  |
| WO 9713877 |  |
| WO 9713877 | P 19980904 WO NENP NON-ENTRY INTO THE NATIONAL PHASE IN:   |
| WO 9713877 | JP 97515240 P 20000411 WO NENP NON-ENTRY INTO THE NATIONAL PHASE IN: CA  |
| WO 9746704 | P 19960606 WO AA PRIORITY (PATENT) US 659453 A 19960606  |
| WO 9746704 |  |
| WO 9746704 | P 19970602 WO AE APPLICATION DATA (APPL. DATA)   |
| WO 9746704 | WO 97US9472 A 19970602 P 19971211 WO AK DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU AM AZ BY KG KZ MD RU TJ TM |
| WO 9746704 |  |

|  |        | GH KE LS MW SD SZ UG AT BE CH DE DK ES FI FR<br>GB GR IE IT LU MC NL PT SE BF BJ CF  |
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| WO 9746704                             | P      | 19971211 WO A1 PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE   |
|  |        | INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL  |
| WO 9746704                             | P      | SEARCH REPORT) 19980401 WO 121 EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))   |
| WO 9746704                             | Р      | 19980430 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  |
| WO 9746704                             | Р      |  |
| WO 9746704                             | P      |  |
| WO 9853300                             | P      | 19970523 WO AA PRIORITY (PATENT) US 862610 A 19970523  |
| WO 9853300                             | . P    |  |
|  | _      | WO 98US11224 A 19980522  |
| WO 9853300                             | Ρ.     | 19981126 WO AK DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT)   |
|  |        | AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ   |
|  |        | DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK  |
|  |        | MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL<br>TJ TM TR TT UA UG US UZ VN YU ZW   |
| <b>MU ひひとろろいし</b>                      | P      | 19981126 WO AL DESIGNATED COUNTRIES FOR  |
| WO 900000                              | -      | REGIONAL PATENTS CITED IN A PUBLISHED  |
| WO 3033300                             | -      | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH   |
| WO 30333UU                             |        | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD  |
| WO 3033300                             |        | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  |
| WO 9853300<br>WO 9853300               |        | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE  |
|  |        | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE   |
|  |        | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE  |
| WO 9853300                             | P      | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH  |
| WO 9853300<br>WO 9853300               | P      | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE   |
| WO 9853300<br>WO 9853300               | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT   |
| WO 9853300<br>WO 9853300               | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP   |
| WO 9853300<br>WO 9853300               | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL   |
| WO 9853300<br>WO 9853300<br>WO 9853300 | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  19990225 WO AL DESIGNATED COUNTRIES FOR   |
| WO 9853300<br>WO 9853300<br>WO 9853300 | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  19990225 WO AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY                            |
| WO 9853300<br>WO 9853300<br>WO 9853300 | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT) 19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  19990225 WO AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD |
| WO 9853300<br>WO 9853300<br>WO 9853300 | P<br>P | REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITHOUT SEARCH REPORT) GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  19981126 WO A2 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITHOUT THE INTERNATIONAL SEARCH REPORT)  19990218 WO DFPE REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE  19990225 WO AK DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  19990225 WO AL DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT    |

|           |         |   | MR NE SN TD TG                               |
|-----------|---------|---|--|
| WO        | 9853300 | P | 19990225 WO A3 SUBSEQUENT PUBLICATION OF     |
|           |         |   | THE INTERNATIONAL SEARCH REPORT (SUBSEQUENT  |
|           |         |   | PUB. OF THE INTERNATIONAL SEARCH REPORT)     |
| WO        | 9853300 | P | 19990414 WO 121 EP: PCT APP. ART. 158 (1)    |
|           |         |   | (EP: PCT ANM. ART. 158 (1))                  |
| WO        | 9853300 | P | 19991116 WO ENP ENTRY INTO THE NATIONAL      |
| PHASE IN: |         |   |  |
|           |         |   | US 424028 A 19991116                         |
| WO        | 9853300 | P | 19991119 WO ENP ENTRY INTO THE NATIONAL      |
|           |         |   | PHASE IN:                                    |
|           |         |   | CA 2291180 AA                                |
| WO        | 9853300 | P | 20000323 DE 8642/REG IMPACT ABOLISHED FOR DE |
|           |         |   | (WIRKUNG WEGGEFALLEN FUER DE)                |